

AMENDED AND RESTATED ACCESS AGREEMENT

This **AMENDED AND RESTATED ACCESS AGREEMENT** ("Agreement") dated ~~January 31~~ July 31, 2011 is by and between **WESTON SOLUTIONS, INC.**, a Pennsylvania corporation, with offices at 1400 Weston Way, West Chester, Pennsylvania 19380 ("Grantee"), and **EPEC POLYMERS, INC.**, a Delaware corporation, with offices at 1001 Louisiana St., Houston, Texas 77002 ("Owner").

BACKGROUND

WHEREAS, Hatco Corporation ("Hatco") is the current owner and operator of a specialty chemical manufacturing facility at 1020 King George Post Road, Fords, New Jersey 08863 ("Hatco Facility"), formerly owned and operated by W.R. Grace & Co. ("Grace"); and

WHEREAS, Grantee has entered into an agreement with Hatco and Grace to undertake certain environmental investigation and remediation; and

WHEREAS, Grantee seeks to enter the portion of the Owner's property located on Industrial Highway, Woodbridge, New Jersey ("Property"), said portion being specifically Tax Block 62, Lot 2, in order to perform activities required by the New Jersey Department of Environmental Protection ("NJDEP") and the United States Environmental Protection Agency ("USEPA"), as defined in the attached Exhibit A ("Channel D Sampling Plan"); and

WHEREAS, Owner has agreed to grant permission to Grantee to enter upon the Property to perform the Environmental Activities, subject to the terms and conditions set forth in this Agreement; and

WHEREAS, Owner and Grantee entered into an Access Agreement dated May 21, 2007; and

WHEREAS, Owner and Grantee have been in discussions concerning the environmental condition and necessary Environmental Activities on the Property:

NOW, THEREFORE, in consideration of the mutual promises contained herein, Grantee and Owner agree as follows:

1. Grant of License. Subject to the terms of this Agreement, the Owner hereby grants, as of the Effective Date as defined below, Grantee, its contractors, subcontractors, consultants, employees, agents and representatives (collectively "the Grantee Parties"), a non-exclusive license to enter the Property for the purpose of performing the Environmental Activities. Unless NJDEP or USEPA requires access with less than five (5) days notice, upon at least five (5) days written notice to the Owner, the Grantee Parties may, during the term of this Agreement, enter the Property pursuant to such license to perform the Environmental Activities. If less than five (5) days notice is given due to NJDEP or USEPA requirements, such notice shall be made at the earliest opportunity by facsimile or other means of

electronic transmissions as required by Section 8 (e) below. Such written notice shall include a written description of the Environmental Activities that the Grantee Parties intend to conduct at the Property, and indicate the number and identities of any persons entering the Property, including any representatives of the NJDEP or the USEPA. Such notice shall specify the dates and times of entry, the areas of the Property to be affected by the Environmental Activities, and the anticipated duration of the Environmental Activities. Upon Grantee's first arrival at the Property following such notice, to conduct the activities to be performed pursuant to the notice, the Grantee Parties shall meet with at least one (1) representative, designated by the Owner, for the purpose of coordinating the Environmental Activities. The Owner shall cooperate with the Grantee Parties in providing access as provided for herein in order to expedite and facilitate the Environmental Activities

2. Term. The term of this Agreement shall commence on the later of the date of full execution hereof. The Term shall expire on that date on which Grantee receives notice from the NJDEP and USEPA that the NJDEP and USEPA consider the Environmental Activities to be complete unless cancelled sooner by either party upon fourteen (14) days written notice.

3. Exercise of License.

a. The Grantee Parties shall conduct all Environmental Activities (i) so as to not unreasonably interfere with the Owner's use of the Property, and (ii) in a good and workmanlike manner.

b. The Grantee Parties' access to the Property shall be limited to normal business hours, unless the Owner consents in writing with respect to a specific Environmental Activity or in the event of an emergency.

c. Each individual person of the Grantee Parties shall sign in and out on each day that they access the Property on a log maintained for this purpose by the Owner.

c. Upon the completion of the Environmental Activities, the Grantee Parties shall restore the Property to the condition in which the Property existed immediately before such Environmental Activities (or if not practicable, to a condition as near as possible to the condition in which the Property existed immediately before such Environmental Activities), except for conditions that are intended to be permanently changed by the Environmental Activities.

d. Any drill cuttings, sediment, dewatering decant water, equipment or other decontamination water, soil, groundwater, waste, samples or other materials generated by the Environmental Activities are referred to herein as the "Wastes." Any equipment and vehicles used for purposes of the Environmental Activities are referred to herein as "Equipment". The Grantee Parties shall be responsible, at their sole cost, for the proper management, characterization, storage, labeling, manifesting, transport and disposal of the Wastes. All waste manifests shall designate Grantee as the generator. Grantee shall remove the Wastes as soon as is reasonable but shall not permit Wastes to remain on the

Property for more than sixty (60) days. Any Wastes to be stored at the Property, pending transport and disposal, shall be appropriately containerized, labeled and placed in an area of the Property designated in writing in advance by the Grantee, who shall be solely responsible for ensuring that the areas so designated comply with all applicable environmental, health, safety or other regulations pertaining thereto. The availability of the designated location shall be approved by Owner in writing prior to its use by Grantee. Owner disclaims any and all responsibility for Grantee's compliance with applicable environmental, health, safety or other regulations pertaining to the handling, storage, or transportation of the Wastes or Equipment. Grantee shall be solely responsible for compliance with all laws and regulations pertaining to the Environmental Activities conducted upon the Property.

e. Grantee shall be solely responsible for obtaining all governmental permits, consents and approvals for the Environmental Activities and removal of the Wastes. The Owner shall cooperate, at no cost to Owner, with Grantee's reasonable requests in obtaining all such permits, consents and approvals, and Owner shall promptly execute any reasonable documents prepared by Grantee to obtain such permits, consents and approvals. Any request to execute a permit application or permit shall be deemed unreasonable if it increases the cost or affects the ability of the Owner to obtain permits for the site in the future. Owner shall not be required to sign any waste disposal manifests. Waste disposal manifests shall identify Grantee as the waste generator.

f. The Owner shall have the right, at the Owner's sole cost and expense, to have its employees or other representatives (collectively "the Owner Parties") present at all times during the Environmental Activities conducted at the Property, and shall have the right, at the Owner Parties' sole cost and expense, to conduct concurrently such testing, sampling and analysis, or to receive from Grantee split samples of all samples at Owner Parties' request, so long as the Owner Parties do not interfere with the Environmental Activities being conducted by the Grantee Parties.

4. NJDEP and EPA. Grantee shall provide the Owner with copies of all plans, data, test results and reports relating to the Property ("Environmental Information") prior to submission to the NJDEP and EPA, for the Owner's review and comment. Whenever possible, Environmental Information shall be provided sufficiently in advance of submission to the NJDEP and EPA, so that the Owner will have a reasonable time for review. The parties agree that five (5) business days is generally considered a reasonable time to review Environmental Information. Grantee shall also provide the Owner within five (5) business days with all final documents it generates or receives regarding any Environmental Activities.

5. Indemnity. Grantee hereby agrees to indemnify, defend and hold the Owner Parties harmless from and against any and all claims, costs, penalties, liabilities, injuries, fines, damages or expenses (including, but not limited to, attorneys fees to enforce this Indemnity) resulting from the acts or omissions of the Grantee Parties, related directly or indirectly to the Environmental Activities, except to the extent that such claim, liability, demand or action results from the grossly negligent or intentional acts or omissions of the Owner Parties or from the failure of the Owner to perform its obligations hereunder, and except to the extent that such claim,

liability, demand or action results from accurate and correct information or data required to be submitted to NJDEP , USEPA, or another governmental entity.

6. Insurance. Prior to the commencement of any Environmental Activities on the Property, Grantee shall, or shall cause the other Grantee Parties to obtain, maintain and provide the Owner with satisfactory evidence of the following insurance, all written on an occurrence basis, except professional liability which will be written on a claims-made basis:

a. Workmen's compensation insurance and Employers liability in statutory amounts;

b. Commercial general liability with a limit of not less than one million dollars (\$1,000,000.00) per occurrence and an annual aggregate, if any, of at least two million dollars (\$2,000,000), including a broad form contractual liability endorsement covering the indemnification obligation under Section 5 of this agreement;

c. Umbrella and excess liability with a limit of not less than five million dollars (\$5,000,000) per occurrence and an annual aggregate, if any, of at least five million dollars (\$5,000,000);

d. Environmental consultants professional liability/contractors pollution legal liability with a limit of not less than two million dollars (\$2,000,000.00) per occurrence and an annual aggregate, if any, of at least two million dollars (\$2,000,000); and

e. Automobile liability with a combined single accident limit of no less than one million dollars (\$1,000,000).

All insurance coverage obtained by Grantee or by the other Grantee Parties shall name the Owner Parties as additional insureds on all coverages other than workmen's compensation insurance and environmental consultants professional liability/contractors pollution legal liability. Evidence of additional insured status shall be provided by a copy of an additional insured endorsement. Forms or endorsements provided to comply with this agreement shall provide for at least thirty (30) days written notice by the insurance carrier or its agent to the Owner Parties of pending cancellation and the Grantee or Grantee Parties shall give written notice to the Owner Parties within five (5) days of receiving notice of cancellation.

This Agreement shall be added as an insured contract to the ACE American Insurance Company (ACE) Remediation, Expense Containment and Premises Pollution Liability Insurance Policy to be issued to the Grantee and written proof of the addition provided by ACE.

7. Notice of Existing Conditions. The Property is currently the subject of an environmental investigation and remediation under the Industrial Site Recovery Act due to the existence of various hazardous substances and radioactive materials. The Grantee shall be solely responsible to contact regulatory agencies, review the available information, communicate any necessary information to the Grantee Parties, determine safe access routes and take all necessary

precautions in performing all Environmental Activities at the Property. Grantee acknowledges its responsibility for requesting utility line mark outs from the public utility companies or one call service, as applicable.

8. Miscellaneous.

a. This Agreement shall be governed by the laws of the State of New Jersey. This Agreement shall bind and inure to the benefit of the parties hereto and their respective successors and permitted assigns. This Agreement shall not be assigned, in whole or in part, to any other person or entity without prior consent of the other party, which consent shall not be unreasonably withheld. If the Owner sells its property, it shall be obligated to disclose this Agreement to any new owner.

b. The headings preceding the text of the sections of this Agreement are inserted solely for convenience of reference and shall not constitute a part of this Agreement, nor shall they affect the meaning, construction or effect of this Agreement.

c. This Agreement sets forth all of the promises, covenants, agreements, conditions and undertakings between Grantee and the Owner with respect to the subject matter of this Agreement, and supersedes all prior and contemporaneous agreements and understandings, inducements or conditions, express or implied, oral or written, except as specifically set forth in this Agreement. This Agreement may not be changed orally but only by an agreement in writing, duly executed by or on behalf of the party against whom enforcement of any waiver, change, modification, consent or discharge is sought.

d. If any provision of this Agreement is found by a court of competent jurisdiction to be illegal, invalid, or unenforceable, the remainder of this Agreement will not be affected and in lieu of each provision which is found to be illegal, invalid or unenforceable, there will be added as a part of this Agreement a provision as similar to such illegal, invalid or unenforceable provision as may be possible and be legal, valid and enforceable, as mutually agreed upon by the Grantee and the Owner.

e. Any notice, request, demand, consent, approval or other communication required or permitted under this Agreement which is not specifically set forth herein as being an oral notice will be written and will be deemed to have been given (i) when personally delivered; or (ii) on the next following day after delivery to any nationally recognized express delivery service; or (iii) on the fifth day after it is deposited in any depository regularly maintained by the United States postal service, postage prepaid, certified or registered mail, return receipt requested; or (iv) on the day transmitted by email together with either (i), (ii) or (iii) above, if confirmation receipt is obtained, and addressed to the respective parties, at the same time, as follows:

Owner Parties: EPEC Polymers, Inc.
1001 Louisiana, St.
Houston, Texas 77002

Attention: Mr. Brian Johnson

Email: Brian.Johnson@elpaso.com

With copy to: EPEC Polymers, Inc.
1001 Louisiana St.
Houston, Texas 77002
Attention: Scott J. Miller, Esq.

Email : Scott.Miller@elpaso.com

Grantee: Weston Solutions, Inc.
1400 Weston Way
West Chester, Pennsylvania 19380
Attention: Legal Department

Fax: 610-701-3656


With copy to: Weston Solutions, Inc.
205 Campus Drive
Edison, New Jersey 08837
Attention: Daniel Kopcow
Email: danielkopcow@westonsolutions.com

With copy to: Drinker, Biddle, & Reath
One Logan Square
18th and Cherry Streets
Philadelphia, PA 19103-6996
Attention: Grant Nichols
Email: Grant.Nichols@dbr.com


f. The Owner's execution of this Agreement is for purposes of access only. Owner's review and comments, if any, concerning the attached Exhibit A and the Environmental Information is for general information purposes only and shall not be considered as approval by the owner of the work to be performed. Owner does not release, and specifically reserves, all rights that it may have under law against Grace, Hatco, Weston or any responsible party concerning conditions at the Property, whether such rights and conditions exist now or in the future.

IN WITNESS WHEREOF, and intending to be legally bound hereby, the parties have hereunto executed this Agreement as of the date first above written.

WESTON SOLUTIONS, INC.,
A Pennsylvania corporation

By: 
Name: Sally Jones
Title: Vice President

EPEC POLYMERS, INC.,
A Delaware Corporation

By: 
Name: John H. Anderson
Title: Vice President

SJM



Revised Channel D Sampling and Analysis Plan Hatco Site – Fords, New Jersey January 2011

Background and Rationale

Weston Solutions, Inc. (Weston®) has prepared this Sampling and Analysis Plan (SAP) to address additional delineation sampling requirements associated with Channel D, in response to both discussions with the New Jersey Department of Environmental Protection (NJDEP) Case Team and additional investigation performed by the off-site property owner, as well as to include NJDEP requirements outlined during a 19 October 2010 meeting and follow-up communications. Historical Weston sample locations, concentrations and depths were used to develop this SAP, in addition to extensive field data and analytical results obtained during Weston's 2007 pre-design investigation, and data obtained by off-site property owner investigations. Weston has reviewed various submittals provided by the property owner EPEC Polymers Inc. (EPEC) for Channel D, including the 29 October 2009 data summary, March 2010 *Supplemental Remedial Investigation Report*, and August 2010 *Impacts for Hatco Drainage on the EPEC Site* report, and proposes additional soil and sediment sampling across Channel D to determine the vertical and horizontal extent of contamination. Weston anticipates that the information provided by EPEC, in addition to the sampling data obtained through this additional investigation, will impact the extent of remediation currently proposed in Weston's August 2009 *Addendum 3 to the Consolidated Remedial Action Workplan (RAWP)*.

Weston has prepared this SAP to better define the extent of PCB contamination near Channel D that was identified by EPEC, as well as potential bis-2-ethylhexyl phthalate (BEHP) and other phthalate contamination related to Hatco operations, as well as other semi-volatile (SVOC) contamination identified on the Channel D parcel. At the request of the NJDEP, Weston will analyze samples for PCBs and TCL SVOCs, as well as a tentatively-identified compound (TIC) library search. This sampling approach was agreed to by all parties at a meeting held at NJDEP on 19 October 2010 and subsequent communications. Samples will be collected from the following locations:

- Across a grid pattern (30 foot by 30 foot) in the eastern, western and southern portions of the Channel D property, as shown in Figure 1;
- Along the previous extent of Channel D, as identified by historical aerial photos, depicted on Figure 1;
- Vertical and horizontal delineation sampling for low-level PCBs detected by EPEC in a drainage ditch upgradient of the EPEC site, as shown on Figure 2;
- At the outlet of the Morris property pond, immediately upgradient of the EPEC property across Industrial Avenue, as shown in Figure 2; At the southernmost convergence of Channels A, B and C north of Industrial Avenue, also depicted on Figure 2. This location will be analyzed for volatile organic compounds (VOCs)



plus a library search for TICs, in addition to PCBs and SVOCs plus TICs, as requested by the NJDEP.

EPEC's investigation reports identified above refer to several chemicals as "NAPL" that are not related to the known LNAPL plume at the Hatco site. In addition to collection of samples for laboratory analyses specified above, Weston will install a series of borings across an impacted area in the northwest portion of Channel D identified by EPEC as the NAPL area, to evaluate for the physical presence of the NAPL material. These locations are depicted in Figure 3. One sample of this material will be collected for laboratory analysis, as requested by the NJDEP. No additional collection / analysis of NAPL material (other than the one specific analytical sample requested by NJDEP) will be performed, as was agreed to by all parties at the meeting held at NJDEP 19 October 2010.

The property that Channel D runs through is owned by EPEC. Channel D (also known as Crow's Mill Creek) is a low-gradient stream which collects flow from Channels A, B and C, as well as the pond located north of Industrial Avenue. The area of Crow's Mill Creek referred to as Channel D begins at the culvert on the south side of Industrial Avenue downstream of the Hatco property. Channel D cuts through a forested wetland area, and is lined with sand, silt and organic material. The current extent of the channel is less than 6 feet (ft) wide throughout most of its length, and it attenuates at a small wetland dominated by common reed (*Phragmites australis*). Historically, however, Channel D had previously been located approximately 30 – 50 feet west of its current location, as determined through a review of historical aerial photographs for the site.

Previous sampling conducted by URS on behalf of Hatco and W. R. Grace, as well as sampling conducted by two EPEC consultants (Sovereign Consulting, LLC and Brown & Caldwell) detected elevated concentrations of polychlorinated biphenyls (PCBs) in soil and sediment, as well as BEHP above the applicable residential cleanup criteria in sediment. For off-site excavation areas such as Channel D, the applicable remedial standard for PCBs is 0.49 mg/kg in soils and 1 mg/kg in sediments, as approved by the NJDEP in various report and workplan approvals. For non-PCB contaminants of concern, the off-site applicable remedial criteria for soils are the 1999 residential (unrestricted use) criteria, although the 2008 residential (unrestricted use) standard specifically for naphthalene (6 mg/kg) will be utilized due to more than an order of magnitude change from the 1999 criteria. In addition, BEHP results for samples collected from the Channel D wetland area will be compared to NJDEP's ecological screening criterion of 0.925 mg/kg, to NJDEP's lowest effects level/screening criterion of 0.182 mg/kg, and NJDEP's Severe Effect Level of 0.75 mg/kg.

Extent of Contamination Attributable to Hatco

EPEC's sampling results indicate that constituents of concern other than PCBs and phthalates are present within the Channel D property. However, as indicated in a 07 December 2009 letter to the NJDEP, Weston disagrees with EPEC's assertion that all detected non-PCB contamination is related to historical Hatco site operations. Further information from EPEC would be required in order to substantiate that claim, including



proof that these chemicals were not used historically by their own site occupants. The assertion presently does not appear to be supported by the data provided. These contaminants include:

- chlorobenzene
- 1,4-dichlorobenzene
- 1,2,4-trichlorobenzene

Results of a file review for the EPEC property indicate that multiple areas of concern (AOCs) contain chlorobenzene contamination in site soils and site groundwater, resulting from historic site operations.

Sediment and Soil Distinction

The Channel D investigation area contains both sediment and soil matrices, with each matrix determined on a sample-by-sample basis. The Weston field geoscientist will determine sample matrices using the criteria outlined below as a means for classifying samples in the field. It should be noted that there are discrepancies in matrix description at individual sample locations when sampling efforts by Brown and Caldwell are compared to 2007 Weston investigation results. It is unknown whether actual field conditions differed from 2007 to 2009, or if Brown and Caldwell utilized a standard system of matrix classification. Weston has utilized and will continue to utilize the system outlined below; these definitions were approved by the NJDEP for use during the Hatco remediation in a June 2007 email.

Sediment is defined by the State of New Jersey (N.J.A.C. 7:8-1.2) as solid material, mineral or organic, that is in suspension, is being transported, or has been moved from its site of origin by air, water or gravity as a product of erosion. Soil is defined in the same regulations as "all unconsolidated mineral and organic material of any origin." Because the distinction between the two may be difficult to apply in the field in some situations, Weston is basing the delineation between soil and sediment on past experience, actual field conditions encountered during delineation sampling, and past discussions with NJDEP. For the purposes of this remedial action, sediment will be classified as any material falling within the bed (but not bank) of stream channels, saturated ditches or ponds at the Hatco facility or off-site, including Channels A, B, C and D, and the off-site pond. Any samples collected from areas falling outside of delineated wetland boundaries will be considered soil.

Within areas delineated as wetlands, but located outside of the actual stream channels, the classification of soil versus sediment will depend upon the degree of saturation of the soil matrix. NJDEP distinguishes between emergent wetlands (freshwater marsh), and forested wetlands. Emergent wetlands are characterized by rooted hydrophytes present for most of the growing season. NJDEP classifies material present within emergent wetlands as sediment. At the Hatco site these areas consist of wetlands dominated by



common reed and other emergent species that have not been historically filled and still maintain saturated conditions during the growing season. Forested wetlands adjacent to the Hatco property are characterized by hydric soils; these are undrained soils that are saturated, flooded, or ponded, that develop anaerobic conditions that favor the growth of hydrophytic vegetation. The material collected within these areas will be classified as soil.

Sample Collection

This Channel D SAP has been developed to meet the remedial action objectives described in Addendum 3 to the Consolidated RAWP, specifically the removal of contaminated stream sediment and floodplain soils in Crow's Mill Creek southwest of the Hatco site to the applicable unrestricted use standard. The SAP has been developed in accordance with the *New Jersey Technical Requirements for Site Remediation* (TRSR, N.J.A.C. 7:26E) and the NJDEP *Field Sampling Procedures Manual* (August 2005) to ensure the collection of necessary data to determine the complete extent of contamination and refine excavation boundaries for off-site sediments and soils in Channel D. A Quality Assurance Program (QAPP) developed in accordance with NJDEP requirements was submitted as part of Weston's 2009 *Addendum 3 to the Consolidated RAWP*, and provides specific sample collection methodology and laboratory analyses requirements. An overview of the sampling effort and Weston's overall technical approach is presented below.

Sediment samples will be collected to horizontally and vertically delineate the extent of contamination on the Channel D parcel and offsite properties, as shown in Figures 1 and 2. Sample locations will be biased toward depositional areas where applicable. Weston will analyze for PCBS and will run a full SVOC scan using method 8270. Table 1 summarizes the proposed sampling locations and depths, analytical parameters, and sampling methods for the soil and sediment samples. The sample collection methodology is discussed below.

Investigation of NAPL Material

Weston will perform an investigation through a series of transects to define the physical vertical and horizontal extent of the hardened NAPL material, as shown on Figure 3. Borings will be advanced utilizing a hand auger at each proposed location, and the physical characteristics of the material, including depth / thickness of the NAPL material, will be noted. Samples will be collected at 10-foot spacing across each transect. Spacing will be decreased to better define the horizontal extent of the material as necessary.

As requested by NJDEP, Weston will collect one additional sample of NAPL material for laboratory analysis. The sample will be analyzed for TCL SVOCs + 15 and PCBs.

Investigation of Morris Pond and Drainage Ditch

Weston will collect a total of four samples from the southwestern outlet to the Morris Pond, as shown in Figure 2. Samples will be collected from sediment at 0-0.5 feet and 2-2.5 feet under the water column. Should no water be present due to seasonal lows,



samples will be collected from the same depths hand auger or ponar dredge, depending upon site conditions at the time of sample collection.

Weston will also collect six additional samples to horizontally delineate contamination detected in the EPEC drainage ditch south of the Morris Pond outfall, as well as one vertical delineation sample at EPEC sample location HD-2. Samples will be collected from 0-0.5 and 1-1.5 feet bgs for horizontal delineation; vertical delineation of HD-2 will be performed at 1-1.5 feet bgs. Sample locations are depicted on Figure 2.

Should contamination be detected in these samples, additional horizontal and/or delineation samples will be collected. These will be collected upon the direction of the Project Manager after initial data review is performed.

Investigation of Channel Convergence Area

At the request of NJDEP, Weston will collect two soil and/or sediment samples from the area where Channels A, B and C converge, to evaluate for the presence of NAPL material or other potential discharge contaminants. The samples will be biased toward a depositional area just north of Industrial Avenue, within the most contaminated area as determined by historical sample data. The samples will be analyzed for TCL VOC + 15, TCL SVOC + 15, and PCBs. Sample locations are depicted on Figure 2.

Should contamination be detected in these samples, an evaluation of nearby sample locations will be performed to determine if additional horizontal and/or delineation samples are required. These will be collected upon the direction of the Project Manager after initial data review is performed.

Investigation of Former Channel D Extent

In the area of the former Channel D extent (west of the current location), samples will be collected from 0 – 0.5 feet below ground surface (bgs), 2 – 2.5 feet bgs, and 3.5 – 4 feet bgs, to a distance of approximately 400 feet south of the Conrail right of way. All soil and sediment samples will be analyzed for PCBs and SVOC +15 compounds. Sample locations are shown on Figure 4.

Should contamination be detected in these samples, an evaluation of nearby sample locations will be performed to determine if additional horizontal and/or delineation samples are required. These will be collected upon the direction of the Project Manager after initial data review is performed.

At the terminus of the former channel extent is a large area of ponded water and Phragmites. Brown and Caldwell, EPEC's consultant, identified four locations with PCB contamination above 1.0 mg/kg in the sediment beneath the water column. These samples were designed by EPEC as PA, PB, PC and PD. Weston proposes to collect sediment samples from additional locations to horizontally delineate these ponded area



exceedances, in addition to vertical delineation samples at each of the four “P” sample locations. These samples are included as part of the grid sampling approach discussed below.

Investigation of Current Channel D Floodplain- Grid Sampling

Weston is proposing grid sample locations throughout various portions of the Channel D floodplain. No historical data are available for these areas; sampling locations are proposed in a grid format in these areas to evaluate for the potential presence of any PCB contamination which Weston may be obligated to remediate. A series of borings will be installed in a grid pattern (approximately 30’ by 30’) across the eastern, southern and western portions of the Channel D property in areas where there is no historic sample data or EPEC sample data indicates a low-level PCB exceedance (Figure 1).

Samples will be collected and analyzed to determine if contamination is present beyond the extent of known PCBs, phthalates and chlorobenzene contamination already identified by Weston and EPEC. The grid extends from the eastern property line to the western property line, and south parallel to EPEC sample CD-EB7. However, Weston’s proposed grid extent does not include the Gredel fill area on the southeastern portion of the Channel D parcel.

Samples will be collected from a minimum of three intervals at each location: 0 – 0.5 feet below ground surface (bgs), 2 – 2.5 feet bgs, and 3.5 – 4 feet bgs. If contamination is suspected through field determination (PID or visual means) from 3.5 – 4 feet bgs, the boring will be advanced deeper and an additional sample will be collected from the six-inch interval below the suspected contamination. These soil and sediment samples will be run on an accelerated turn-around-time. Should contamination be detected above applicable cleanup standards at these grid locations, a series of samples will be collected using a tighter grid (such as 15’ by 15’) in these locations. This grid approach will allow for a more thorough evaluation of actual site contaminant distribution for areas where there are currently data gaps.

If no contamination above applicable standards is detected through the grid sampling in the east, west or south of the current Channel D extent, the sampling approach outlined in the following sections will be utilized to complete horizontal and vertical delineation of known contamination on the Channel D parcel.

Investigation of Current Channel D Extent and Floodplain- Step-Out Sampling

A series of two step-out boring locations will be advanced along the perimeter of known contamination to better define the extent of the main excavation area. These step-out locations will be approximately 5 and 10 feet from where PCB contamination was detected by EPEC along the length of Channel D and the associated floodplain. Samples from the 10-foot step-out location will be placed on hold at the laboratory and run only if samples from the 5-foot step-out locations are determined to contain contamination above applicable standards.



Soil and sediment samples will be collected as designated in Table 1, with sample intervals dependent upon nearby exceedences, to ensure adequate horizontal and vertical delineation of known exceedences. In two locations identified through EPEC's 2009 sampling program, additional vertical delineation is required. These locations include CD-B45-20E (a 2007 Weston sample location) and location B-22 (identified as CD_BC22 on Figure 1).

Investigation of Eastern Property Border Locations

A total of four samples were collected by EPEC along the northeastern border of the Channel D property, along the property line shared by EPEC and the former Cardell Manufacturing facility. An additional row of four boring locations was installed by EPEC approximately halfway between the northeast property border and the current Channel D extent. Low-level PCB contamination was detected at all eight of these boring locations. Weston proposes to install a series of borings to horizontally delineate each exceedance to the north, east, south and west. Initial samples will be collected five feet in each direction from the original sample point. Contingent 10-foot step-out samples will also be collected and placed on hold pending results of the 5-foot step-out samples. These proposed sample locations are depicted in Figure 4.

Investigation of Weston Property Border Locations

Seven of eleven soil boring locations advanced by EPEC along the western border of the Channel D property were determined to contain low-level PCB contamination above applicable standards. Similar to the approach outlined above, Weston proposes to install a series of borings to horizontally delineate each exceedence to the north, east, south and west. Initial samples will be collected five feet in each direction from the original sample point. Contingent 10-foot step-out samples will also be collected and placed on hold pending results of the 5-foot step-out samples. Proposed sample locations are shown on Figure 4.

Sampling Procedures

The soil and sediment sampling procedures will follow the guidelines documented in the *NJDEP Field Sampling Procedures Manual* (August 2005) as described below, and are detailed in Weston's 2009 QAPP. Lithologic description, field measurements (such as presence of LNAPL) and comments will be recorded using electronic Borehole Logging Forms such as Weston's GeoFAST program.

To maintain a record of sample collection, transfer between personnel, shipment, and receipt by the laboratory, standard chain-of-custody forms will be completed for all samples. Each form will be completed in the field and signed and dated by a member of the field team who will verify the exact sample shipment. This form will accompany the samples to the laboratory. Signed and dated custody seals will then be applied to the shipping container. Sample collection methodologies are described in more detail in the following sections.

Any sampling equipment (e.g., hand auger, etc.) coming in contact with the soil or sediment will be decontaminated before and after each sample location. Decontamination procedures will follow technical requirements as set forth in the NJDEP *Field Sampling Procedures Manual* (August, 2005). Equipment will be washed in the following sequence: 1) a steam/high-pressure water wash; 2) a potable water and soap wash; and, 3) a distilled and deionized (ASTM Type II) water rinse. In the ponded area with known PCB contamination above the USEPA *Toxic Substances Control Act* (TSCA) limit of 50 kilograms per kilogram, a TSCA-compliant decontamination procedure will be performed.

Samples will be placed in a cooler and chilled with ice, and will be picked up by the laboratory.

Soil Sample Collection

Delineation soil samples will be collected to determine the horizontal and vertical extent of contamination as depicted on Figures 1, 2 and 4. Delineation samples will be collected from discrete 6-inch intervals from designated depths, as outlined in Table 1.

The soil samples will be field-screened with a properly calibrated photoionization detector (PID), organic vapor meter (OVM) or other suitable instrument. Delineation sample locations will be biased based on professional judgment to ensure that all necessary data is collected to ensure that historical contamination is adequately delineated, both horizontally and vertically.

Surficial soil samples may be collected through use of a trowel or hand auger, depending upon site specific conditions. The analytical samples will be collected utilizing NJDEP protocols. Dedicated disposable scoops and bowls will be utilized for sample collection. Soil samples will be collected at discrete six inch intervals from designated depths at each location. Surficial organic matter (grass, twigs) will be scraped away prior to sample collection. Samples are to be collected directly with dedicated, disposable scoops, homogenized as necessary in dedicated, disposable beakers, and placed directly into sample containers.

For transect delineation boring locations, the above procedure will be followed for sample collection to physically ascertain the extent of NAPL material, but no analytical samples will be collected other than as specified in previous sections.

Sediment Sample Collection

Delineation sediment samples will be collected to determine the horizontal and vertical extent of contamination as depicted on Figure 1. Contamination will be delineated using a grid or 5-foot step-out sampling pattern at each location, as described in the previous



section. Delineation samples will be collected from discrete 6-inch intervals from designated depths that correspond with previously-identified sample exceedances at each location.

Sediment samples may be collected using a variety of methods and equipment, depending on the depth of the aqueous layer, the portion of the sediment profile required (surface versus subsurface), the type of sample required (disturbed versus undisturbed), contaminants present, and sediment type. Sediment samples will be collected from beneath an aqueous layer either directly, using a hand-held device such as a shovel, trowel, or auger; or indirectly, using a remotely activated device such as an Ekman or Ponar dredge. Following collection, sediment will be transferred from the sampling device to a sample container of appropriate size for the analyses requested. Hand-held devices such as a hand auger or trowel will be the preferred method of collection when conditions allow.

Quality Assurance and Quality Control

Quality assurance/quality control (QA/QC) samples will be collected in accordance with Weston's Quality Assurance Project Plan (QAPP), included as part of Addendum 3. Blind field duplicate and matrix spike/matrix spike duplicate (MS/MSD) samples will be collected at a rate of 1 per 20 samples per analytical parameter. Field blanks will be collected once per day per matrix and analyzed for the same parameters as the field samples.

A record of all field procedures, tests, and observations will be recorded in a field logbook and in Weston's electronic field log program, FieldFAST. Entries in the log book and FieldFAST will include the individuals participating in the field effort, date and time, and the initials of the individual responsible for recording the observations.

Field Sample Identification

During sample collection, a variety of data will be collected and managed electronically to eliminate the potential for transcription errors. Field data is defined as all information generated during the field effort, such as field notes, COC information, geotechnical information (i.e., soil descriptions, well construction information, etc.), and survey data.

Each sample will be assigned a unique field sample identification code and labeled accordingly. This field sample identification code provides the tracing of the sample from the location in the field, through laboratory analysis, and finally to data evaluation and presentation, and contains information traceable to the type, location where the sample was collected, and other information appropriate to that sample. This code will be used for references to this particular sample in field and project documentation and reports. It is essential that the integrity of the field sample identification (ID) code not be compromised.



Delineation and post-excavation soil samples will be identified slightly differently, depending on the type of sample and the location from which the samples will be collected.

General Sampling Scheme:

The sample identification code consists of three fields, separated by underscores, in the following format:

AC_YY_Z_R

AC = Sample area of concern or grid designation

YY = Sample Boring Location / Sequence (1, 2, 3....)

Z = Depth Interval (see discussion below)

R = Sample type identifier

(1=sample, 2= duplicate, 3 = field blank)

Delineation Samples:

For delineation samples, the code “AC” above will be replaced by a sample area of concern (e.g., A, B, C or similar designation) and the symbol “_B_” to designate that the sample is a boring location.

Sample Depth:

The location within the vertical sample column will be identified through the use of a systematic sample naming convention. Following the sample location designator, as described in more detail in the following subsections, the depth will be identified through use of the code “_##-##” where the “##” is substituted by an alphabetic depth designator, as follows:

AA	0 Feet
AB	0.5 Feet
AC	1 Feet
AD	1.5 Feet
AE	2 Feet
AF	2.5 Feet
AG	3 Feet
AH	3.5 Feet
AI	4 Feet
AJ	4.5 Feet
AK	5 Feet



For all sample types, duplicate sample pairs will have the designators “_1” for the environmental sample and “_2” for the duplicate sample added to the end of the sample ID, and field blanks will be designated with “_3” appended to the sample ID.

The field duplicate sample will be disguised to the laboratory for analysis but its location from which it was taken will be documented in the electronic field log for future reference.

Investigation-Derived Waste Management

All investigation-derived waste generated during off-site sampling activities will be containerized and temporarily staged at the Hatco Site. Waste will be segregated according to waste stream, e.g., sampling equipment, personal protective equipment, and decontamination fluids. All investigation-derived waste generated during on-site sampling activities will be handled in accordance with applicable Federal and State requirements. Waste will be segregated according to waste stream, e.g., sampling equipment, personal protective equipment, soil cuttings, and decontamination fluids, then containerized in 55-gallon drums or other DOT-approved containers.

Composite soil and sediment samples will be collected for waste characterization in accordance with the frequency instituted by the disposal facility and will be compared to EPA regulatory limits established under the Resource Conservation and Recovery Act (RCRA). The results will also be compared to levels established by TSCA. At a minimum, waste classification samples will be analyzed for Toxicity Characteristic Leaching Procedure (TCLP) volatile organic compounds (VOCs), TCLP SVOCs, TCLP pesticides/herbicides, TCLP metals, PCBs, and RCRA characteristics. For TCLP VOA analysis, discrete samples will be collected using an EnCore sampling device.

Table 1
Sample Summary for
Hatco
Channel D
Fords, New Jersey

Boring ID	Location	Environmental Media	Depth (ft below ground surface)	Lab Instruction	Analytical Parameters
CP outlet 01	Morris Pond outlet	sediment	0-0.5	HOLD	PCBS, SVOC + 15
			1 - 1.5		PCBS, SVOC + 15
CP outlet 02	Morris Pond outlet	sediment	0-0.5	HOLD	PCBS, SVOC + 15
			1 - 1.5		PCBS, SVOC + 15
CP outlet 03	Morris Pond outlet	sediment	0-0.5	HOLD	PCBS, SVOC + 15
			1 - 1.5		PCBS, SVOC + 15
CP outlet 04	Morris Pond outlet	sediment	0-0.5	HOLD	PCBS, SVOC + 15
			1 - 1.5		PCBS, SVOC + 15
EPEC B01	Drainage ditch	sediment	0 - 0.5	HOLD	PCBS, SVOC + 15
			1 - 1.5		PCBS, SVOC + 15
EPEC B02	Drainage ditch	sediment	0 - 0.5	HOLD	PCBS, SVOC + 15
			1 - 1.5		PCBS, SVOC + 15
EPEC B03	Drainage ditch	sediment	0 - 0.5	HOLD	PCBS, SVOC + 15
			1 - 1.5		PCBS, SVOC + 15
EPEC B04	Drainage ditch	sediment	0 - 0.5	HOLD	PCBS, SVOC + 15
			1 - 1.5		PCBS, SVOC + 15
HD-2	Drainage ditch	sediment	1 - 1.5		PCBS, SVOC + 15
CABC 01	North of Industrial Avenue at Channel convergence area	soil / sediment	0.5 - 1.0 or 6-inch interval with visible impacts (if encountered)		PCBS, VOC + 15, SVOC + 15
CABC 02	North of Industrial Avenue at Channel convergence area	soil / sediment	0.5 - 1.0 or 6-inch interval with visible impacts (if encountered)		PCBS, VOC + 15, SVOC + 15
CD-NAPL 01	Within NAPL area	hard tarry material	0-0.5		PCBS, SVOC + 15
CDG_1 - CDG_270	Grid sample locations	TBD	0-0.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3.5-4	HOLD	PCBS, SVOC + 15
CD_B45_20E	Step-out sample location	soil	4.5-5		PCBS, SVOC + 15
			5-5.5	HOLD	PCBS, SVOC + 15
			5.5-6	HOLD	PCBS, SVOC + 15
CD_BC22	Step-out sample location	soil	3.5-4		PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15
			4.5-5	HOLD	PCBS, SVOC + 15
CD_196	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_197	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_198	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_199	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_200	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_201	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_202	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_203	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_204	Step-out sample location	soil	4-4.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_205	Step-out sample location	soil	3-3.5	HOLD	PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_206	Step-out sample location	soil	1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_207	Step-out sample location	soil	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15

Table 1
Sample Summary for
Hatco
Channel D
Fords, New Jersey

Boring ID	Location	Environmental Media	Depth (ft below ground surface)	Lab Instruction	Analytical Parameters
CD_208	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15

Table 1
Sample Summary for
Hatco
Channel D
Fords, New Jersey

Boring ID	Location	Environmental Media	Depth (ft below ground surface)	Lab Instruction	Analytical Parameters
CD_209	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_210	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_211	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_212	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_213	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_214	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_215	Step-out sample location	TBD	4-4.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_216	Step-out sample location	TBD	3-3.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_217	Step-out sample location	TBD	3-3.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_218	Step-out sample location	TBD	3-3.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_219	Step-out sample location	TBD	3-3.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_220	Step-out sample location	TBD	3-3.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_221	Step-out sample location	TBD	3-3.5		PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
CD_222	Step-out sample location	TBD	2-2.5		PCBS, SVOC + 15
			3-3.5		PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_223	Step-out sample location	TBD	1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_224	Step-out sample location	TBD	1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3-3.5		PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15
			5-5.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_225	Step-out sample location	TBD	1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3-3.5		PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15
			5-5.5	HOLD	PCBS, SVOC + 15
CD_226	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15

Table 1
Sample Summary for
Hatco
Channel D
Fords, New Jersey

Boring ID	Location	Environmental Media	Depth (ft below ground surface)	Lab Instruction	Analytical Parameters
CD_227	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15
CD_228	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_229	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_230	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_231	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_232	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_233	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_234	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_235	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_236	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_237	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_238	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_239	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_240	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_241	Former Channel D extent	TBD	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_242	Former Channel D extent	TBD	3.5-4		PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_243	Former Channel D extent	TBD	3.5-4		PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_244	Former Channel D extent	TBD	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3.5-4		PCBS, SVOC + 15
CD_245	Former Channel D extent	TBD	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3.5-4		PCBS, SVOC + 15
CD_246	Former Channel D extent	TBD	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3.5-4		PCBS, SVOC + 15
CD_247	Former Channel D extent	TBD	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3.5-4		PCBS, SVOC + 15
CD_248	Former Channel D extent	TBD	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3.5-4		PCBS, SVOC + 15
CD_249	Former Channel D extent	TBD	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3.5-4		PCBS, SVOC + 15
CD_250	Ponded area	TBD	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3.5-4		PCBS, SVOC + 15
CD_251	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_252	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_253	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_254	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_255	Ponded area	sediment	1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_256	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15

Table 1
Sample Summary for
Hatco
Channel D
Fords, New Jersey

Boring ID	Location	Environmental Media	Depth (ft below ground surface)	Lab Instruction	Analytical Parameters
CD_257	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_258	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_259	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_260	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_261	Ponded area	sediment	1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_262	Ponded area	sediment	1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_263	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_264	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_265	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_266	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_267	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_268	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_269	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_270	Ponded area	sediment	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_271	Ponded area	sediment	1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_272	Ponded area	sediment	1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_273	Ponded area	sediment	1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_274	Ponded area	sediment	1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_275	Ponded area	sediment	1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_276	Ponded area	sediment	1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_277	Ponded area	sediment	1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_278	Ponded area	sediment	1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15

Table 1
Sample Summary for
Hatco
Channel D
Fords, New Jersey

Boring ID	Location	Environmental Media	Depth (ft below ground surface)	Lab Instruction	Analytical Parameters
CD_279	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_280	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_281	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_282	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_283	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_284	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_285	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_286	Step-out sample location	soil	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15
CD_287	Step-out sample location	soil	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15
CD_288	Step-out sample location	soil	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_289	Step-out sample location	soil	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_290	Step-out sample location	soil	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_291	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_292	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_293	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_294	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_295	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
			4-4.5	HOLD	PCBS, SVOC + 15
CD_296	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_297	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15

Table 1
Sample Summary for
Hatco
Channel D
Fords, New Jersey

Boring ID	Location	Environmental Media	Depth (ft below ground surface)	Lab Instruction	Analytical Parameters
CD_298	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_299	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_300	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_301	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_302	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_303	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_304	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_305	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_306	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_307	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_308	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_309	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
CD_310	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
CD_311	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
CD_312	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
CD_313	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
CD_314	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
CD_315	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
CD_316	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
CD_317	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
CD_318	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
CD_1Z_5N	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15

Table 1
Sample Summary for
Hatco
Channel D
Fords, New Jersey

Boring ID	Location	Environmental Media	Depth (ft below ground surface)	Lab Instruction	Analytical Parameters
CD_1Z_5E	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_1Z_5S	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_1Z_5W	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_1Z_10N	Step-out sample location	soil	0-0.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_1Z_10E	Step-out sample location	soil	0-0.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_1Z_10S	Step-out sample location	soil	0-0.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_1Z_10W	Step-out sample location	soil	0-0.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_6X_5N	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_6X_5E	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_6X_5S	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_6X_5W	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_6X_10N	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_6X_10E	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_6X_10S	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_6X_10W	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_10W_5N	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_10W_5E	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_10W_5S	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_10W_5W	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_10W_10N	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_10W_10E	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_10W_10S	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_10W_10W	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD-EB4-5N	Step-out sample location	only sample if soil matrix	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB4_5E	Step-out sample location	only sample if soil matrix	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_EB4_5S	Step-out sample location	only sample if soil matrix	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_EB4_5W	Step-out sample location	only sample if soil matrix	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD-EB4-5N	Step-out sample location	only sample if soil matrix	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15

Table 1
Sample Summary for
Hatco
Channel D
Fords, New Jersey

Boring ID	Location	Environmental Media	Depth (ft below ground surface)	Lab Instruction	Analytical Parameters
CD-EB4-10N	Step-out sample location	only sample if soil matrix	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB4_10E	Step-out sample location	only sample if soil matrix	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_EB4_10S	Step-out sample location	only sample if soil matrix	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_EB4_10W	Step-out sample location	only sample if soil matrix	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD-EB6-5N	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_EB6_5E	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_EB6_5S	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_EB6_5W	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD-EB6-10N	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_EB6_10E	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_EB6_10S	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_EB6_10W	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD-EB7-5N	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB7_5E	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB7_5S	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB7_5W	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB7_10N	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB7_10E	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB7_10S	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB7_10W	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD-EB8-5N	Step-out sample location	only sample if soil matrix	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB8_5E	Step-out sample location	only sample if soil matrix	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB8_5S	Step-out sample location	only sample if soil matrix	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB8_5W	Step-out sample location	only sample if soil matrix	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB8_10N	Step-out sample location	only sample if soil matrix	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB8_10E	Step-out sample location	only sample if soil matrix	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB8_10S	Step-out sample location	only sample if soil matrix	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_EB8_10W	Step-out sample location	only sample if soil matrix	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD-11-5N	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_11_5E	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_11_5S	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_11_5W	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15

Table 1
Sample Summary for
Hatco
Channel D
Fords, New Jersey

Boring ID	Location	Environmental Media	Depth (ft below ground surface)	Lab Instruction	Analytical Parameters
CD_1I_10N	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_1I_10E	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_1I_10S	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_1I_10W	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_1J_5N	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_1J_5E	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_1J_5S	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_1J_5W	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5		PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_1J_10N	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_1J_10E	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_1J_10S	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_1J_10W	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_4J_5N	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_4J_5E	Step-out sample location	TBD	1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_4J_5S	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_4J_5W	Step-out sample location	TBD	1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_4J_10N	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5	HOLD	PCBS, SVOC + 15
CD_4J_10E	Step-out sample location	TBD	1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_4J_10S	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5	HOLD	PCBS, SVOC + 15
CD_4J_10W	Step-out sample location	TBD	1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_4K_5N	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_4K_5E	Step-out sample location	TBD	1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_4K_5S	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_4K_5W	Step-out sample location	TBD	1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_4K_10N	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5	HOLD	PCBS, SVOC + 15
CD_4K_10E	Step-out sample location	TBD	1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_4K_10S	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5	HOLD	PCBS, SVOC + 15
CD_4K_10W	Step-out sample location	TBD	1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_7E_5N	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_7E_5E	Step-out sample location	TBD	1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_7E_5S	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_7E_5W	Step-out sample location	TBD	1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_7E_10N	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5	HOLD	PCBS, SVOC + 15
CD_7E_10E	Step-out sample location	TBD	1-1.5	HOLD	PCBS, SVOC + 15
			0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15

Table 1
Sample Summary for
Hatco
Channel D
Fords, New Jersey

Boring ID	Location	Environmental Media	Depth (ft below ground surface)	Lab Instruction	Analytical Parameters
CD_7E_10S	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_7E_10W	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_7F_5N	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_7F_5E	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_7F_5S	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_7FW	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_7F_10N	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_7F_10E	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_7F_10S	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_7F_10W	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_10E_5N	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_10E_5E	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_10E_5S	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_10E_10N	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_10E_10E	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_10E_10S	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_10E_10W	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			1-1.5	HOLD	PCBS, SVOC + 15
CD_10E_5N	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_10E_5E	Step-out sample location	TBD	3-3.5	HOLD	PCBS, SVOC + 15
			0-0.5		PCBS, SVOC + 15
CD_10E_5S	Step-out sample location	TBD	2-2.5		PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_10E_5W	Step-out sample location	TBD	0-0.5		PCBS, SVOC + 15
			2-2.5		PCBS, SVOC + 15
CD_10E_10N	Step-out sample location	TBD	3-3.5	HOLD	PCBS, SVOC + 15
			0-0.5	HOLD	PCBS, SVOC + 15
CD_10E_10E	Step-out sample location	TBD	2-2.5	HOLD	PCBS, SVOC + 15
			3-3.5	HOLD	PCBS, SVOC + 15
CD_10E_10S	Step-out sample location	TBD	0-0.5	HOLD	PCBS, SVOC + 15
			2-2.5	HOLD	PCBS, SVOC + 15
CD_10E_10W	Step-out sample location	TBD	3-3.5	HOLD	PCBS, SVOC + 15
			0-0.5	HOLD	PCBS, SVOC + 15

NOTES:

See Figure 1 for sampling locations.

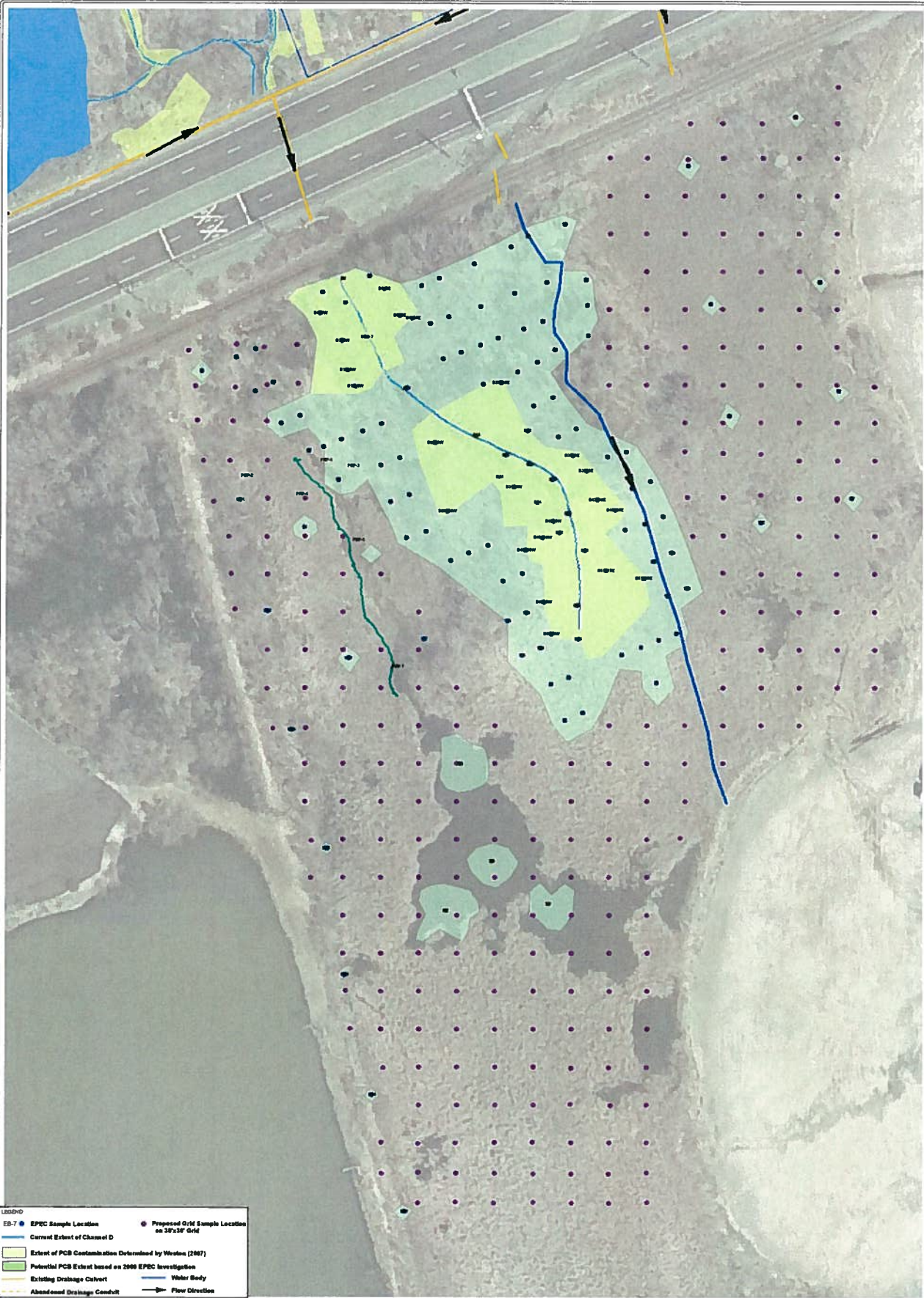
Blind field duplicate and matrix spike/matrix spike duplicate (MS/MSD) samples will be collected at a rate of 1 per 20 samples per analytical parameter.

PCB - EPA Method 8082 defined by SW-846

BEHP - EPA Method 8270 defined by SW-846

TBD - Matrix to be evaluated and determined on a location-specific basis in the field

HOLD - Sample will be held at the lab and run for analysis pending adjacent sample results



SCALE

35 17.5 0 35 70

Graphic Scale in Feet

NOTE

1. Drainage-related feature locations are based on Brown and Caldwell. *Impacts from Hatch Drainage on the EPEC Site* report figure 1-1 August 2010

PROJECT

Hatch Remediation - Channel D

CLIENT NAME

Hatch

TITLE

PROPOSED SOIL AND SEDIMENT SAMPLING LOCATIONS
GRID AND FORMER CHANNEL D- HATCH

WESTON

DRAWING NUMBER

08834

FIGURE #

1

DRAWN BY

S. Poultney

REVIEWED BY

Alanna Garrison

PROJECT MANAGER

Dan Kopcow

SCALE

1" = 35'

DATE

January 2011





SCALE 100 50 0 100
Graphic Scale In Feet

NOTE
1. Drainage-related feature locations are based on Brown and Caldwell, "Impacts from Hatco Drainage on the EPEC Site" report figure 1-1, August 2010

PROJECT Hatco Remediation - Channel D

CLIENT NAME Hatco

PROPOSED SOIL AND SEDIMENT SAMPLING LOCATIONS UPGRADIENT OF EPEC SITE

WESTON

DRAWING NUMBER 08835

FIGURE # 2

DRAWN BY S. Poultney

REVIEWED BY Alanna Garrison

PROJECT MANAGER Dan Kopcow

SCALE 1" = 110'

DATE January 2011





LEGEND:

- Proposed Transect Boring Location
- Proposed Transect
- Approximate Visible Extent of NAPL
- Extent of PCB Contamination Determined by Weston (2007)
- Potential PCB Extent based on 2009 EPEC Investigation

LEGEND:

40 20 0 40

Graphic Scale In Feet

SOURCE:
1. NAPL feature locations are based on Brown and Caldwell, "Impacts from Hatco Drainage on the EPEC Site" report figure 1-1, August 2010

PROJECT:
Hatco Remediation - Channel D

CLIENT NAME:
Hatco

TITLE

PROPOSED PHYSICAL DELINEATION TRANSECTS
CHANNEL D - HATCO

WESTON

DRAWING NUMBER:
08836

FIGURE #:
3

DRAWN BY:
J. Lyles

REVIEWED BY:
Alanna Garrison

PROJECT MANAGER:
Dan Kopcow

SCALE:
1" = 40'

DATE:
January 2011



